

07/12/01

07-13-01

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PTO/SB/05 (08-00)

Appr. use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))

Attorney Docket No. 12569-107

First Inventor or Application Identifier Peter R. Nuytkens

Title INTERCONNECT CIRCUITRY, MULTICHIP MODULE, AND  
METHODS OF MANUFACTURING THEREOF

Express Mail Label No. EL377528914US

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning design patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☒ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 43 ]  
(preferred arrangement set forth below)  
- Descriptive title of the Invention  
- Cross References to Related Applications  
- Statement Regarding Fed sponsored R & D  
- Background of the Invention  
- Brief Summary of the Invention  
- Brief Description of the Drawings (if filed)  
- Detailed Description  
- Claim(s)  
- Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C.113) [Total Sheets 13 ]
5. Oath or Declaration (unexecuted) [Total Pages 3 ]  
a. ☐ Newly executed (original or copy)  
b. ☐ Copy from a prior application (37 CFR 1.63 (d))  
(for a continuation/divisional with Box 17 completed)  
i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s)  
named in the prior application, see 37 CFR  
1.63(d)(2) and 1.33(b).
6. ☒ Application Data Sheet. See 37 CFR 1.76

**ADDRESS TO**Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or  
Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)  
a. ☐ Computer Readable Form (CRF)  
b. Specification Sequence Listing on:  
i. ☐ CD-ROM or CD-R (2 copies); or  
ii. ☐ paper  
c. ☐ Statements verifying identity of above copies

**ACCOMPANYING APPLICATIONS PARTS**

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 C.F.R. § 3.73(b) Statement ☐ Power of  
(when there is an assignee) Attorney
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure ☐ Copies of IDS  
Statement (IDS)/PTO-1449 Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☒ Other: Application Cover Sheet; and check for \$651.00  
(filing fee/extra claims).

17. If a **CONTINUING APPLICATION**, check appropriate box, and supply the requisite information below and in a preliminary amendment,  
or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: \_\_\_\_ /  
Prior application information: Examiner \_\_\_\_\_ Group / Art Unit: \_\_\_\_\_

For **CONTINUATION** or **DIVISIONAL APPS** only: The entire disclosure of the prior application, from which an oath or declaration is supplied  
under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference.  
The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.


**17. CORRESPONDENCE ADDRESS**☒ Customer Number or Bar Code Label

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or ☐ Correspondence address below

|         |           |          |  |  |  |
|---------|-----------|----------|--|--|--|
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| City    | State     | Zip Code |  |  |  |
| Country | Telephone | Fax      |  |  |  |

|                   |   |                                   |               |
|-------------------|---|-----------------------------------|---------------|
| Name (Print/Type) | Jacob N. Erlich   | Registration No. (Attorney/Agent) | 24,338        |
| Signature         |  | Date                              | July 12, 2001 |

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Patents, Box Patent Application, Washington, DC 20231.

JC997 U.S. PTO

09/904306

07/12/01

**FEE TRANSMITTAL  
for FY 2001**

Patent fees are subject to annual revision.

Complete if Known

**TOTAL AMOUNT OF PAYMENT** (\$) 651.00Application Number N/A  
Filing Date Herewith  
First Named Inventor Peter R. Nuytkens  
Examiner Name N/A  
Group / Art Unit N/A  
Attorney Docket No. 12569-107**METHOD OF PAYMENT (check one)**

- 1.
- ☒
- The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit  
Account  
Number

03-2410 (Order No. 12569-107)

Deposit  
Account  
Name

Perkins, Smith &amp; Cohen LLP

- ☒
- Charge Any Additional Fee Required
- 
- Under 37 CFR 1.16 and 1.17
- 
- ☒
- Applicant claims small entity status.
- 
- See 37 CFR 1.27

- 2.
- ☒
- Payment Enclosed:

☒ Check ☐ Credit card ☐ Money  
Order ☐ Other**FEE CALCULATION****1. BASIC FILING FEE**

| Large<br>Fee<br>Code | Entity<br>Fee<br>(\$) | Small<br>Fee<br>Code | Entity<br>Fee<br>(\$) | Fee Description        | Fee Paid |
|----------------------|-----------------------|----------------------|-----------------------|------------------------|----------|
| 101                  | 710                   | 201                  | 355                   | Utility filing fee     | \$355    |
| 106                  | 320                   | 206                  | 160                   | Design filing fee      |          |
| 107                  | 490                   | 207                  | 245                   | Plant filing fee       |          |
| 108                  | 710                   | 208                  | 355                   | Reissue filing fee     |          |
| 114                  | 150                   | 214                  | 75                    | Provisional filing fee |          |

**SUBTOTAL (1)**

(\$355)

**2. EXTRA CLAIM FEES**

|                    |    |     |   |    |   |                |   |   |          |     |
|--------------------|----|-----|---|----|---|----------------|---|---|----------|-----|
| Total Claims       | 44 | -20 | = | 24 | X | Fee from below | 9 | = | Fee Paid | 216 |
| Independent Claims | 5  | -3  | = | 2  | X | 40             |   | = | 80       |     |
| Multiple Dependent |    |     |   |    | X |                |   | = | 0        |     |

| Large<br>Fee<br>Code | Entity<br>Fee<br>(\$) | Small<br>Fee<br>Code | Entity<br>Fee<br>(\$) | Fee Description  |
|----------------------|-----------------------|----------------------|-----------------------|--|
| 103                  | 18                    | 203                  | 9                     | Claims in excess of 20                                     |
| 102                  | 80                    | 202                  | 40                    | Independent claims in excess of 3                          |
| 104                  | 270                   | 204                  | 135                   | Multiple dependent claim, if not paid                      |
| 109                  | 80                    | 209                  | 40                    | ** Reissue independent claims over original patent         |
| 110                  | 18                    | 210                  | 9                     | ** Reissue claims in excess of 20 and over original patent |

**SUBTOTAL (2)**

(\$296)

\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

| Large<br>Entity<br>Fee<br>Code | Large<br>Entity<br>Fee<br>(\$) | Small<br>Entity<br>Fee<br>Code | Small<br>Entity<br>Fee<br>(\$) | Fee Description  | Fee Paid |
|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--|----------|
| 105                            | 130                            | 205                            | 65                             | Surcharge - late filing fee or oath  |          |
| 127                            | 50                             | 227                            | 25                             | Surcharge - late provisional filing fee or cover sheet.                    |          |
| 139                            | 130                            | 139                            | 130                            | Non-English specification  |          |
| 147                            | 2,520                          | 147                            | 2,520                          | For filing a request for reexamination                                     |          |
| 112                            | 920*                           | 112                            | 920*                           | Requesting publication of SIR prior to Examiner action                     |          |
| 113                            | 1,840*                         | 113                            | 1,840*                         | Requesting publication of SIR after Examiner action                        |          |
| 115                            | 110                            | 215                            | 55                             | Extension for reply within first month                                     |          |
| 116                            | 390                            | 216                            | 195                            | Extension for reply within second month                                    |          |
| 117                            | 890                            | 217                            | 445                            | Extension for reply within third month                                     |          |
| 118                            | 1,390                          | 218                            | 695                            | Extension for reply within fourth month                                    |          |
| 128                            | 1,890                          | 228                            | 945                            | Extension for reply within fifth month                                     |          |
| 119                            | 310                            | 219                            | 155                            | Notice of Appeal   |          |
| 120                            | 310                            | 220                            | 155                            | Filing a brief in support of an appeal                                     |          |
| 121                            | 270                            | 221                            | 135                            | Request for oral hearing   |          |
| 138                            | 1,510                          | 138                            | 1,510                          | Petition to institute a public use proceeding                              |          |
| 140                            | 110                            | 240                            | 55                             | Petition to revive - unavoidable   |          |
| 141                            | 1,240                          | 241                            | 620                            | Petition to revive - unintentional   |          |
| 142                            | 1,240                          | 242                            | 620                            | Utility issue fee (or reissue)   |          |
| 143                            | 440                            | 243                            | 220                            | Design issue fee   |          |
| 144                            | 600                            | 244                            | 300                            | Plant issue fee  |          |
| 122                            | 130                            | 122                            | 130                            | Petitions to the Commissioner  |          |
| 123                            | 130                            | 123                            | 130                            | Petitions related to provisional applications                              |          |
| 126                            | 180                            | 126                            | 180                            | Submission of Information Disclosure Stmt                                  |          |
| 581                            | 40                             | 581                            | 40                             | Recording each patent assignment per property (times number of properties) |          |
| 146                            | 710                            | 246                            | 355                            | Filing a submission after final rejection (37 CFR § 1.129(a))              |          |
| 149                            | 710                            | 249                            | 355                            | For each additional invention to be examined (37 CFR § 1.129(b))           |          |
| 179                            | 710                            | 279                            | 355                            | Request for Continued Examination (RCE)                                    |          |
| 169                            | 900                            | 169                            | 900                            | Request for expedited examination of a design application                  |          |

Other fee (specify)

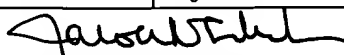
\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3)**

(\$0)

**SUBMITTED BY**

Complete (if applicable)

|                   |   |                                  |        |           |                |
|-------------------|---|----------------------------------|--------|-----------|----------------|
| Name (Print/Type) | Jacob N. Erlich   | Registration No. Attorney/Agent) | 24,338 | Telephone | (617) 854-4000 |
| Signature         |  |                                  |        | Date      | July 12, 2001  |

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